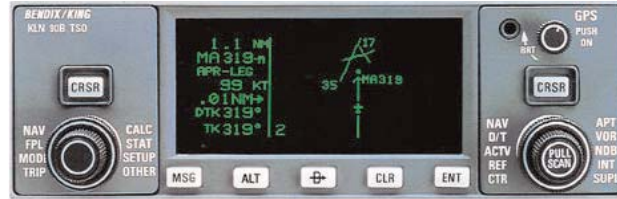


KLN 90B: Approaching Certified GPS



From a tradition of leadership comes the latest advice in panel-mounted NAV: The KLN 90B GPS Navigation System.

Providing the IFR approach capability specified into TSO C129 A1, the KLN 90B offers en route and terminal GPS capability. Versions of the KLN 90B are also available that meet JAA Guidance Material for B-RNAV AMJ 20X2 for European (ECAC) Airspace when used with AlliedSignal PreFlights Software, Version 2.0 or later. But with its big, bright moving map display, extensive Jeppesen database and pilot-friendly controls the KLN 90B takes airborne panel-mounted navigation an extra step.

Easier Approaches

Providing all the benefits of satellite-derived input - worldwide coverage, a high degree of accuracy and immunity to atmospheric disturbance - the KLN 90B harnesses the power of GPS to make non-precision approaches easier for the pilot.

For example, navigation pages were designed specifically for use during approaches, to provide the greatest amount of information with the least amount of effort. In fact, most necessary approach and en route information is presented concisely and logically on one large, easy-to-read screen. This page also incorporates a moving map, enabling you to view your progress throughout the approach. Additional approach-specific pages are readily accessed, significantly reducing pilot workload during this critical phase of flight.

Position On Display

Unlike other panel-mounted systems, the KLN 90B presents NAV information on a 3.3-in.-diagonal, high resolution CRT (cathode ray tube) display. This display is easy to read and under all cockpit lighting conditions and from all viewing angles. The large screen even allows you to display two pages at once, giving you the flexibility to choose from a variety of navigation information.



Able to simultaneously track up to eight satellites, the KLN 90B's parallel GPS receiver was designed for compatibility with most existing avionics. A marvel of compactness, this GPS engine (shown full size) enhances both reliability and performance.

Information On Demand

With more memory capacity than you'll find in some personal computers, the KLN 90B provides you with Jeppesen NavData in a choice of either a North American database (including Central America and the Caribbean) or an International database. Each contains a wealth of aeronautical information, including SID and STAR waypoints, approaches, airports, intersections, flight serve station and "Center/FIR" frequencies, special-use airspace and airport services. Offering all this valuable information in one place, the KLN 90B thus serves as your

primary source for navigation information.

Workload Reduction

What's even more remarkable about all this navigational power is the ease with which you control it. Screens are accessed and waypoint identifiers entered by simply turning the knobs. Simple functions, such as activating the cursor, choosing a "Direct-To" course or calling up message are performed via clearly-marked push buttons.

Other work-saving features of the KLN 90B include a built-in resolves interface that allows the system to be linked directly to your aircraft HSI or CDI, or coupled to the autopilots and a pilot-selectable Leg/OBS mode switch.

The Pilot Choice

Implicit in this capability and ease of use is the fact that the KLN 90B was designed specifically for aviation applications. This means that, unlike some

other GPS navigation units, the KLN 90B is resistant to COMM radio interference and is compatible with most of your aircraft's existing equipments.

In addition, the KLN 90B is the only GPS navigation system that offers our legendary reliability and a support network of more than 900 AlliedSignal dealers worldwide.

In short, there's a new standard in panel-mounted GPS performance, and it will change the way you fly.



With its moving map display, the KLN 90B lets you view your airplane's actual position relative to nearby airports and waypoints, both on and off your flight path.

General Description

The KLN 90B is panel-mounted, 8-channel, IFR-certified terminal, en route and non-precision approach GPS-base navigation system with a pilot-updatable database. A basic installation consists of the panel-mounted unit, a database cartridge, an altitude input a KA 92 antenna. Among the additional components which may be added to increase the KLN 90B's capabilities are: an external course deviation indicator (CDI) or HSI; RMI; some Shadin, Sheltech or ARNAV fuel management systems; several external moving map displays; and certain models of Bendix/King or Shadin air data systems.

Specifications

Dimensions	Widths 6.31 inc, Height 2.00 in, Lengths 13.15, Weights 5.99lbs
Temperature Range	-40 C to +70 C
Altitude Range	Up to 50,000 ft.
Power Input	11-33 VDC at 2.5A max
TSO	C129 A1